CLAIMS

- 1. In a system including a document repository, a method comprising:
- a) determining, automatically, a level of similarity between at least two of a plurality of discrete elements stored in the document repository; and
- b) storing data representative of a link between the elements based in-part on the level of similarity.
- 2. The method of claim 1, wherein the document repository includes documents of at least one type selected from the group comprising a plain text document, a formatted text document, a presentation with discrete pages or slides, a diagram, a spreadsheet, programming code, a semi-structured document database, a text document with mark-up language tags, and a fully structured relational database.
- 3. The method of claim 1, further comprising: retrieving a document from the repository; determining a document type and a physical structure for the document; and identifying one or more conceptually meaningful segments (elements) within the document based on at least one of the document type and the physical structure.
- 4. The method of claim 1, further comprising: displaying the link on a display.
- 5. The method of claim 1, wherein the document repository includes at least two physical repositories.
- 6. The method of claim 1, further comprising classifying the plurality documents as belonging to one category of a plurality of predetermined categories, the classification being based on at least one of the group comprising a format for the document, a physical structure for the document, a logical structure for the document, a size of the document, a location where the document is stored, and a content of the document...

- 7. A method for determining a relationship between documents, the method comprising:
 - a) retrieving a plurality of documents from a document repository;
- b) segmenting at least two documents of the plurality of documents into a plurality of conceptually meaningful segments;
- c) determining if a segment of one document is related to a segment of another document; and
 - d) storing data representative of the relationship.
- 8. The method of claim 7, further comprising:
 - d) selecting documents from the plurality of documents; and
 - e) storing the selected documents in a file store;

wherein the step of segmenting further comprises segmenting at least one of the selected documents into a plurality of conceptually meaningful segments.

- 9. The method of claim 7, further comprising:
 - d) classifying the plurality of documents.
- 10. The method of claim 9, wherein the document repository is organized in accordance with a directory structure, wherein the step of classifying further comprises classifying the plurality of segments based in-part on the directory structure.
- 11. The method of claim 9, wherein each document comprises a document name, wherein the step of classifying further comprises classifying the plurality of segments based in part on the document name.
- 12. The method of claim 9, wherein the step of classifying further comprises classifying the plurality of segments as being a segment type selected from a group comprising requirement, design, code, testing, defects, issues and requests.

- 13. The method of claim 9, wherein the step of classifying further comprises classifying the plurality of segments based in part on a plurality of classification keywords.
- 14. The method of claim 7, further comprising comparing the plurality of segments.
- 15. The method of claim 14, wherein comparing further comprises:
 - a) extracting a plurality of terms from the segments; and
- b) for each segment, determining the frequency of at least one of the plurality of words within the segment.
- 16. The method of claim 14, wherein the step of comparing further comprises performing a pair-wise cosine similarity analysis among the plurality of segments.
- 17. The method of claim 7, wherein the document repository includes documents associated with a software project.
- 18. A method for analyzing a document, comprising:
- a) receiving a document, the document including data and a document type, the document type having an associated physical structure;
 - b) determining a logical structure of the document based in part on the data;
- c) selecting a subset of the data based on at least one of the group including the associated physical structure and the logical structure; and
- d) storing a document segment, the document segment including the selected subset of the data.
- 19. The method of claim 18, wherein selecting further comprises using an application programming interface to access the subset of data.
- 20. A system for determining a relationship between documents, the system comprising:
 - a) a retrieval tool for retrieving a plurality of documents from a document

repository;

- b) a segmentation tool for segmenting at least one document of the plurality of documents into a plurality of conceptually meaningful segments; and
- c) a memory configured to store data representative of a link between at least one segment and one selected from the group comprising the plurality of segments and the plurality of documents.
- 21. The system of claim 20, further comprising:
 - d) a selection tool to select documents from the plurality of documents; and
 - e) a file store to store the selected documents;

wherein the segmenting tool is further configured to segment at least one of the selected documents into a plurality of segments.

- 22. The system of claim 20, further comprising:
 - d) a classification tool for classifying the plurality of documents.
- 23. The system of claim 22, wherein the document repository is organized in accordance with a directory structure, wherein the classification tool is further configured to classify the plurality of documents based in-part on the directory structure.
- 24. The system of claim 22, wherein each document comprises a document name, wherein the classification tool is further configured to classify the plurality of documents based in part on the document name.
- 25. The system of claim 22, wherein the classification tool is further configured to classify the plurality of documents as being a document type selected from a group comprising requirement, design, code, testing, defects, issues and requests.
- 26. The system of claim 22, wherein the classification tool is further configured to classify the plurality of documents based in part on a plurality of classification keywords.

- 27. The system of claim 20, further comprising a comparison tool for comparing the plurality of segments.
- 28. The system of claim 27, wherein the comparison tool is further configured to:
 - a) extract a plurality of terms from the segments; and
- b) for each segment, determine the frequency of at least one of the plurality of terms within the segment.
- 29. The method of claim 27, wherein the comparison tool is further configured to perform a cosine similarity analysis on the plurality of segments.
- 30. The system of claim 20, wherein the document repository includes documents associated with a software project.